

10/749,839

=> file casreact

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FILE CONTENT:1840 - 17 Oct 2004 VOL 141 ISS 16

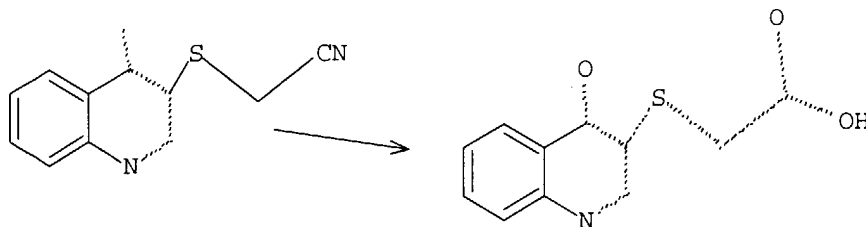
*
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*

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=> d que

L1 STR



Structure attributes must be viewed using STN Express query preparation.
L3 0 SEA FILE=CASREACT SSS FUL L1 (0 REACTIONS)

=> => file caplus

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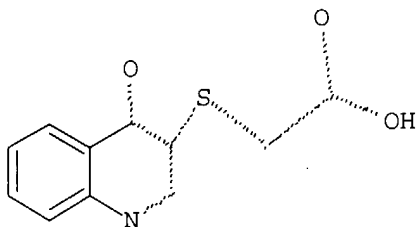
FILE COVERS 1907 - 19 Oct 2004 VOL 141 ISS 17
FILE LAST UPDATED: 18 Oct 2004 (20041018/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que
L4

STR



Structure attributes must be viewed using STN Express query preparation.
L6 9 SEA FILE=REGISTRY SSS FUL L4

=> d l6 1-9 ibib abs hitstr
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

=> => d l7 1-3 ibib abs hitstr

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:696541 CAPLUS
DOCUMENT NUMBER: 139:230631
TITLE: Four-step process for the preparation of
3-carboxymethylsulfinyl-7-fluoro-3-methyl-4-quinolone
from flosequinan
INVENTOR(S): Kwiatkowski, Stefan; Golinski, Mirosław
PATENT ASSIGNEE(S): R.T. Alamo Ventures I, LLC, USA
SOURCE: U.S. Pat. Appl. Publ., 8 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|------------|
| US 2003166678 | A1 | 20030904 | US 2002-281800 | 20021028 |
| US 6689791 | B2 | 20040210 | | |
| US 2003191152 | A1 | 20031009 | US 2002-282286 | 20021028 |
| PRIORITY APPLN. INFO.: | | | US 2002-360829P | P 20020301 |
| | | | US 2002-360954P | P 20020301 |
| | | | US 2002-361146P | P 20020301 |
| | | | US 2002-361150P | P 20020301 |
| | | | US 2002-403033P | P 20020813 |

AB A four-step process for the preparation of 3-carboxymethylsulfinyl-7-fluoro-3-methyl-4-quinolone from flosequinan is presented.

IT 591781-23-6P

RL: BCP (Biochemical process); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process)

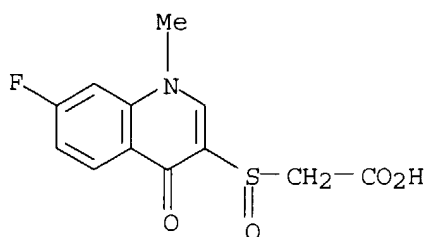
(four-step process for the preparation of
3-carboxymethylsulfinyl-7-fluoro-3-
methyl-4-quinolone from flosequinan)

RN 591781-23-6 CAPLUS

CN Acetic acid, [(7-fluoro-1,4-dihydro-1-methyl-4-oxo-3-quinoliny)lsulfinyl]-

10/749,839

(9CI) (CA INDEX NAME)



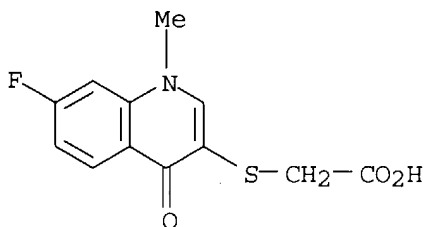
IT 591781-25-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(in a four-step process for the preparation of 3-carboxymethylsulfinyl-7-fluoro-3-methyl-4-quinolone from flosequinan)

RN 591781-25-8 CAPLUS

CN Acetic acid, [(7-fluoro-1,4-dihydro-1-methyl-4-oxo-3-quinolinyl)thio] - (9CI) (CA INDEX NAME)



L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1996:163892 CAPLUS

DOCUMENT NUMBER: 124:202042

TITLE: Preparation of 3-alkylthio-4-hydroxy-2-quinolones and analogs as NMDA receptor antagonists

INVENTOR(S): Allgeier, Hans

PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.

SOURCE: Eur. Pat. Appl., 27 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| EP 685466 | A1 | 19951206 | EP 1995-810344 | 19950523 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE | | | | |
| AU 9520336 | A1 | 19951214 | AU 1995-20336 | 19950526 |
| CA 2150645 | AA | 19951203 | CA 1995-2150645 | 19950531 |
| FI 9502650 | A | 19951203 | FI 1995-2650 | 19950531 |
| NO 9502171 | A | 19951204 | NO 1995-2171 | 19950601 |
| ZA 9504507 | A | 19960201 | ZA 1995-4507 | 19950601 |
| CN 1120538 | A | 19960417 | CN 1995-106179 | 19950601 |
| HU 72608 | A2 | 19960528 | HU 1995-1598 | 19950601 |
| US 5633379 | A | 19970527 | US 1995-456358 | 19950601 |
| JP 08041027 | A2 | 19960213 | JP 1995-136724 | 19950602 |
| BR 9502647 | A | 19960423 | BR 1995-2647 | 19950602 |

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PRIORITY APPLN. INFO.:

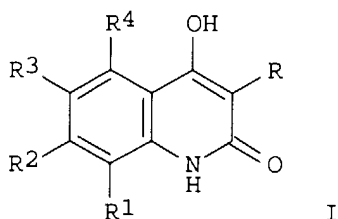
CH 1994-1732

19940602

OTHER SOURCE(S):

MARPAT 124:202042

GI



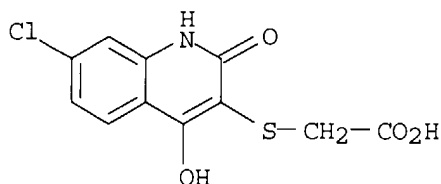
AB Title compds. [I; R = Z1Z2R5; R1-R4 = H, aliphatic hydrocarbyl, OH, halo, etc.; R5 = Ph, CO2H, alkoxycarbonyl, etc.; Z1 = O, (oxidized) S; Z2 = divalent aliphatic group] were prepared. Thus, Me 4-chloroanthranilate was amidated by BrCOCH2Br and the product etherified by Ph(CH2)3SH to give, after cyclization, I [R = (CH2)3Ph, R1 = R3 = R4 = H, R2 = Cl]. I had IC50 of 0.07-1.25μM against 5,7-dichlorokynurenic acid binding at rat cortex and hippocampus membrane preparation in vitro.

IT **174455-65-3P 174455-66-4P 174455-72-2P**
174455-94-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 3-alkylthio-4-hydroxy-2-quinolones and analogs as NMDA receptor antagonists)

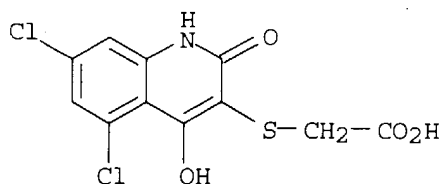
RN 174455-65-3 CAPLUS

CN Acetic acid, [(7-chloro-1,2-dihydro-4-hydroxy-2-oxo-3-quinolinyl)thio]-
(9CI) (CA INDEX NAME)



RN 174455-66-4 CAPLUS

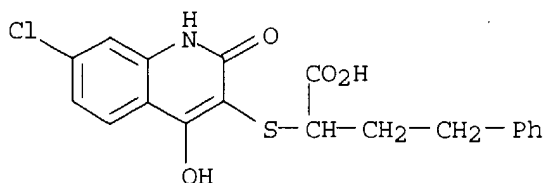
CN Acetic acid, [(5,7-dichloro-1,2-dihydro-4-hydroxy-2-oxo-3-quinolinyl)thio]-
(9CI) (CA INDEX NAME)



RN 174455-72-2 CAPLUS

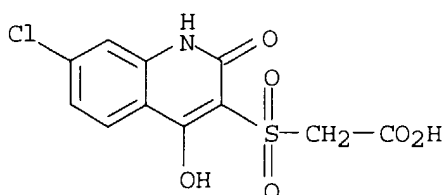
CN Benzenebutanoic acid, α-[(7-chloro-1,2-dihydro-4-hydroxy-2-oxo-3-quinolinyl)thio]- (9CI) (CA INDEX NAME)

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RN 174455-94-8 CAPLUS

CN Acetic acid, [(7-chloro-1,2-dihydro-4-hydroxy-2-oxo-3-quinolinyl)sulfonyl]-
(9CI) (CA INDEX NAME)



L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1968:39555 CAPLUS

DOCUMENT NUMBER: 68:39555

TITLE: Synthesis of quinolino heterocycles

AUTHOR(S): George, T.; Tahilramani, R.

CORPORATE SOURCE: CIBA Res. Centre, Bombay, India

SOURCE: Tetrahedron (1968), 24(2), 1007-10

CODEN: TETRAB; ISSN: 0040-4020

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 68:39555

GI For diagram(s), see printed CA Issue.

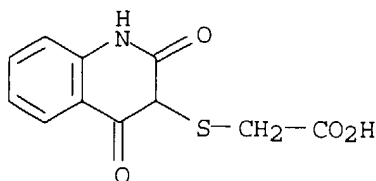
AB Starting from 4-hydroxycarbostyryl, a synthesis of 2,3,9,10 tetrahydro-3,10-dioxoquinolino-[3,4-b]-1,4-thioxin (I) and 2,3-dihydro-3-oxo-9-chloro-4-methylquinolino[3,2-b]thiazine (II) derivs. was achieved. The spectral data of the intermediates as well as the final transformation products are discussed.

IT **16797-17-4P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 16797-17-4 CAPLUS

CN Acetic acid, [(1,2,3,4-tetrahydro-2,4-dioxo-3-quinolyl)thio]- (8CI) (CA
INDEX NAME)



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